

### PATENT COOPERATION TREATY

## **PCT**

# REG'B 2 9 DEC 2004

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
PCT/02-15 International application No	International filing date (day/mor		Priority date (day/month/year)				
international application No	international fitting date (ady/mor	шиуеагу	Friority take (adymonia year)				
PCT/US03/07804	14 March 2003 (14.03.2003)						
International Patent Classification (IPC)	or national classification and IPC						
IPC(7): H01L 21/00 and US Cl.: 156/345.24; 438/8							
Applicant							
MIDWEST RESEARCH INSTITUTE							
This international preliminary examination report has been prepared by this International Preliminary     Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total of 3 sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of	a total of sheets.						
3. This report contains indications relating to the following items:							
I Basis of the report							
II Priority	II Priority						
III Non-establishm	ent of report with regard to no	velty, inventive	e step and industrial applicability				
IV Lack of unity o	f invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial							
, —,	applicability; citations and explanations supporting such statement						
VI Certain documents cited							
·	VII Certain defects in the international application						
VIII Certain observations on the international application							
Data of submission of the							
Date of submission of the demand	Date	of completion	of this report				
20 September 2004 (20.09.2004)		07 December 2004 (07.12.2004)					
Name and mailing address of the IPEA/US		orized officer	1 > ( 1)				
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	<u> </u>	•	Den Doth				
P.O. Box 1450 Alexandria, Virginia 22313-1450	Duy	Vu N. Deo	Der Dolfe				
'Facsimile No. (703) 305-3230		hone No. 571-	272-1462				
Form PCT/IPEA/409 (cover sheet)(July 1998)							

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	_
PCT/US03/07804	

I.	Basi	s of the report				
1.	With regard to the elements of the international application:*					
		the international application as originally filed.				
	冈	the description:				
	<b>Z</b> _3	pages 1-30 as originally filed				
		pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
	$\bowtie$	the claims:				
		pages 31-36 as originally filed				
		pages NONE , as amended (together with any statement) under Article 19				
		pages NONE , filed with the demand pages NONE , filed with the letter of				
1						
		the drawings:				
•		pages 1-19 , as originally filed pages NONE , filed with the demand				
1		pages NONE , filed with the letter of				
		the sequence listing part of the description:				
ł	لـــا	pages NONE , as originally filed				
1		pages NONE , filed with the demand				
1		pages NONE , filed with the letter of				
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the				
1	lang	uage in which the international application was filed, unless otherwise indicated under this item.				
	Thes	se elements were available or furnished to this Authority in the following language which is:				
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
		the language of publication of the international application (under Rule 48.3(b)).				
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).				
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the				
1	inter	national preliminary examination was carried out on the basis of the sequence listing:				
		contained in the international application in printed form.				
		filed together with the international application in computer readable form.				
	Щ	furnished subsequently to this Authority in written form.				
1	Щ	furnished subsequently to this Authority in computer readable form.				
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the				
		international application as filed has been furnished.				
1		The statement that the information recorded in computer readable form is identical to the written sequence listing				
		has been furnished.				
4.		The amendments have resulted in the cancellation of:				
		the description, pages NONE				
1		the claims, Nos. NONE				
		<u> </u>				
_ ا		the drawings, sheets/fig NONE				
5.	LJ	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
1 674	$\omega$ repu	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in ort as "originally filed" and are not annexed to this report since they do not contain amendments. (Rules 7) 16 and 70 17)				
	•-•, '	replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				

Form PCT/IPEA/409 (Box I) (July 1998)



International application No. PCT/US03/07804

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. STATEMENT							
Novelty (N)	Claims	1-58	YES				
	Claims	NONE	NO				
Inventive Step (IS)	Claims	1-58	YES				
· ·		NONE	NO				
Industrial Applicability (IA)	Claims	1-58	YES				
	Claims	NONE	МО				
Claims 1-58 meet the criteria set out in PCT Article the claims.  Claims 1-58 meet the criteria set out in PCT Article can be made or used in industry.	e 33(4), and thu						
NEW CITATIONS							
		·	•				
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Form PCT/IPEA/409 (Box V) (July 1998)	· · · · · · · · · · · · · · · · · · ·	• <del></del>					